PO Job Risk Assessment

Name(s) of Risk Team Members: S. Boose, H. Diaz, R. Pisani, R. Gill (facilitator)	**Point Value → Parameter ↓**	**1**	**2**	**3**	**4**	**5**
Job Title: Electrical & Electronic Shop Work **Job Number or Job Identifier: PO-JRA-009**	**Frequency (B)**	**≤once/year**	**≤once/month**	**≤once/week**	**≤once/shift**	**>once/shift**
Job Description: Work in electrical and electronic shops	**Severity (C)**	**First Aid Only**	**Medical Treatment**	**Lost Time**	**Partial Disability**	**Death or Permanent Disability**
Training and Procedure List (Optional):	**Likelihood (D)**	**Extremely Unlikely**	**Unlikely**	**Possible**	**Probable**	**Multiple**
Rev. #: **0** Date: **February 15, 2005**						
Stressors (if applicable, please list all): Lighting, time schedules		**Reason for Revision (if applicable):**			**Comments:**	

				Before Additional Controls						**After Additional Controls**					
Job Step / Task	**Hazard**	**Control(s)**	**Stressors Y/N**	**# of People A**	**Frequency B**	**Severity C**	**Likelihood D**	**Risk* AxBxCxD**	**Control(s) Added to Reduce Risk**	**Stressors Y/N**	**# of People A**	**Frequency B**	**Severity C**	**Likelihood D**	**Risk* AxBxCxD**	**% Risk Reduction**
Electronic soldering	Temperature extremes burns to skin or eyes from iron or molten solder	Soldering equipment design and condition, Tier 1, eye protection, proper clothing	N	1	4	1	4	16								
	Chemical toxicity solder and fumes	Solder choice, small amounts of solder per operation, ventilation	N	1	4	1	1	4								
	Electrical shock	Soldering equipment design and condition, Tier 1, electrical cord inspection	N	1	4	2	1	8								

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Electronic soldering (cont'd)	Reflex injury from burns or electrical shock	Soldering equipment design and condition, eye protection, proper clothing, Tier 1, electrical cord inspection, small amounts of solder per operation	N	1	4	2	2	16								
Electronic chassis assembly	Cuts and abrasions from sharp surfaces	Work gloves where needed, tool condition	N	1	2	1	4	8								
	Physics Hand Held Tools	See PO-JRA-016	N	1	2	1	3	6								
Circuit board assembly – selection and placement of components	Eye strain	Proper lighting and magnifying lenses	Y	1	3	1	3	9								
	Injury from repetitive motions	Work breaks, switching tasks, ergonomic review, proper tools, tool condition	N	1	2	2	2	8								
	Cuts and abrasions	Proper tools, tool condition, proper lighting, clear work area, wear gloves when needed, Tier 1	N	1	2	1	2	4								
Circuit board and component cleaning	Physics Routine Chemical Use	See PO-JRA-017	N	1	3	1	2	6								
Point to point wiring	Eye strain	Proper lighting and magnifying lenses	Y	1	2	1	3	6								
	Injury from repetitive motions	Work breaks, switching tasks, ergonomic review, proper tools, tool condition, Tier 1	N	1	2	2	2	8								
	Physics Hand Held Tools	See PO-JRA-016	N	1	2	1	3	6								

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Cable making – measuring and rolling out cable	Overexertion injuries caused by excessive lifting, pushing, pulling, holding, carrying	Squat lifting and bending over technique, training, use helper, Tier 1, clear work area	N	1	1	3	3	9								
Cable making – using cutting or crimping tools	Injury from repetitive motions	Work breaks, switching tasks, ergonomic review, proper tools, tool condition	N	1	1	2	2	4								
	Cuts and abrasions	Proper tools, tool condition, proper lighting, clear work area, wear gloves when needed, Tier 1	Y	1	1	1	3	3								
Low voltage testing and troubleshooting	Physics Electrical Work – Routine	See PO-JRA-006	N	1	4	1	2	8								
High voltage testing and troubleshooting	Physics Electrical Work – High Energy	See PO-JRA-007	N	1	3	2	2	12								
Manual lifting – electronic crates, power supplies, equipment, cable spools	Physics Manual Lifting	See PO-JRA-004	N	1	3	3	3	27								
Further Description of Controls Added to Reduce Risk:																

***Risk:**	**0 to 20 Negligible**	**21 to 40 Acceptable**	**41 to 60 Moderate**	**61 to 80 Substantial**	**81 or greater Intolerable**